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Underground Electric Service Checklist – Western Resources SS 45.0 Standard

Address:		Contractor:		Permit #	
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The following checklist is not all-inclusive. Other code related requirements may be included in this inspection

OK Yes No n/a <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	This is typical in the new Subdivisions
OK Yes No n/a <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Is the meter can mounted at the correct height?
OK Yes No n/a <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	250.52 Is the system properly bonded to the rebar steel or a ground rod?
OK Yes No n/a <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	250.66 Is the Grounding electrode conductor the correct size for the service?
OK Yes No n/a <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	310.15 (B) (6) Are the conductors properly sized for the service?
OK Yes No n/a <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	110.26 (A) (1) Does the meter and panel locations have the proper clearances?
OK Yes No n/a <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	250.52 Is the system properly bonded to the rebar steel or a ground rod?
OK Yes No n/a <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	250.66 Is the Grounding electrode conductor the correct size for the service?
OK Yes No n/a <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	310.15 (B) (6) Are the conductors properly sized for the service?
OK Yes No n/a <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	SS-45.0 & 330.5(J) Has a “Slip Fitting” been installed on the Riser Pipe(s).

ELECTRIC SERVICE STANDARDS		SS-45.0	
<p>METER LOCATION ON HOUSE TO BE ON REAR OR SIDE NEAREST TO XFMR</p> <p>PROPERTY LINES</p> <p>SEC PED</p> <p>TWIN HOME</p> <p>EASEMENT LINES</p> <p>CALL 2 WORKING DAYS BEFORE YOU DIG 1-800-344-7233 KANSAS</p>			
<p>CHANGED DEPTH OF CONDUIT TO 36" & PULL WIRE TO PULL ROPE. CHANGED COMPANY LOGO ON MARKER. UPDATED DIMENSION TO METER. ADDED PULL ROPE SIZE.</p>			
<p>PLUG OR CAP</p> <p>3" CONDUIT STUB BY WESTERN RESOURCES</p> <p>5'-6" MAX 5'-0" MIN</p> <p>36" DEPTH BELOW FINAL GRADE TO TOP OF CONDUIT</p> <p>MIN 24" RAD</p> <p>10 FT</p> <p>CUSTOMER'S 3" CONDUIT</p> <p>METHOD A*</p>			
<p>5'-6" MAX 5'-0" MIN</p> <p>36" DEPTH BELOW FINAL GRADE TO TOP OF CONDUIT</p> <p>MIN 24" RAD</p> <p>10 FT</p> <p>CUSTOMER'S 3" CONDUIT</p> <p>METHOD B*</p>			
<p>NOTES:</p> <p>SYSTEM (TRANSFORMER OR PEDESTAL) TO THE CUSTOMER'S METER.</p>			
<p>1. CUSTOMER'S CONDUIT REQUIREMENTS</p> <p>CUSTOMER TO INSTALL N.E.C. APPROVED RIGID CONDUIT FROM THE METER TO WESTERN RESOURCES CONDUIT STUB AT EASEMENT LINE. (SEE SS-40.4, SS-40.5, SS-40.6, SS-40.7)</p>			
<p>2. CUSTOMER SHALL REMOVE THE CAP ON THE CONDUIT STUB AND JOIN THE CUSTOMER INSTALLED CONDUIT WITH COUPLING AFTER FIRST JOINING PULL ROPES.</p>			
<p>3. THE CONDUIT SHALL BE INSTALLED IN A STRAIGHT LINE IF POSSIBLE. IF HORIZONTAL TURNS ARE REQUIRED, THEY SHALL NOT EXCEED THE EQUIVALENT OF ONE 90° TURN.</p>			
<p>4. A 1/4" PULL ROPE SHALL BE PROVIDED IN THE CONDUIT BY THE CUSTOMER. IF THE CUSTOMER INSTALLED PULL ROPE BREAKS, IT IS THE CUSTOMER'S RESPONSIBILITY TO PULL IN A NEW ONE.</p>			
<p>5. WESTERN RESOURCES SHALL INSTALL AND OWN ONE SET OF SERVICE CONDUCTORS PER METER ENCLOSURE, UP TO 125 FT IN LENGTH, FROM THE CUSTOMER'S METER ENCLOSURE TO THE PEDESTAL OR PADMOUNT TRANSFORMER OF WESTERN RESOURCES UNDERGROUND DISTRIBUTION</p>			
<p>6. CUSTOMER TO SUPPLY APPROVED SLIP JOINT. (SEE SS-41.0 NOTE 6)</p>			
<p>7. CUSTOMER INSTALLED FACILITIES SHALL BE INSTALLED ACCORDING TO NEC OR LOCAL CODE.</p>			
<p>* EITHER METHOD IS ACCEPTABLE. CUSTOMER MAY FIND EITHER OF THE TWO METHODS USED. IF STUB MARKER IS MISSING, WESTERN RESOURCES WILL REMARK THE LOCATION.</p>			
<p>RESIDENTIAL - UNDERGROUND CUSTOMER CUSTOMER CONNECTION TO WESTERN RESOURCES CONDUIT</p>			
<p>► DENOTES LATEST REVISION</p>			
WESTERN RESOURCES		SS-45.0	

OK Yes No n/a <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	SMC Sec. 8-153 Do the Service Entrance Conductors exceed 10ft. lug to lug? Over 10ft of service entrance conductor measured from lug to lug requires a disconnect.	OK Yes No n/a <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	250.50 Has a grounding electrode system and conductor been installed per following requirements? Currently we only require the listed 8ft rod with an appropriately sized grounding electrode conductor. Use Table 250.66 for proper sizing of the conductor, (#8awg for a 100A service, #6 for a 200A service).
OK Yes No n/a <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	110.26 (A) (1) Does the meter and panel locations have the proper clearances?	OK Yes No n/a <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
OK Yes No n/a <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		OK Yes No n/a <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Notes:			

Date		Inspector	
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